ARCHITECT

PORTFOLIO

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## MOHAMMED B. AL-SMADI

# MOHAMMED SMADI

Architectural engineer
Nationality : Jordanian

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Behance:mhmdsmadi

## SOFTWARES :

| | |
|---|---|
| AUTODESK AUTOCAD<br>AUTODESK REVIT<br>LUMION<br>MICROSOFT OFFICE | (excellent) |
| AUTODESK 3Ds Max<br>ADOBE PHOTOSHOP CC | (very good) |
| SKETCHUP PRO 2019<br>AUTODESK SKETCHBOOK<br>AUTODESK INFRA WORKS<br>GEOGRAPHIC INFORMATION SYSTEM(GIS) | (good) |

**LANGUAGES :**
Arabic (native speaker)
English (4A)-very good

## EDUCATION:

B.SC IN ARCHITECTURAL ENGINEERING - YARMOUK UNIVERSITY-JORDAN- IRBID (2015-2020)

## TRAINING COURSES:

TRAINING INTERNSHIP: RAKAN ABANDEH ARCHITECTURAL OFFICE,
SUPERVISION AND DESIGN, 15/6/2019 - 25/8/2019

## CERTIFICATES:

-Autodesk Certified Professional REVIT-architecture

- LEED Green Associate

## SKILLS:

WHAT I NEED TO ACCOMPLISH DESIGN FROM PRE-DESIGN PROCESS TO THE FINAL PRODUCT,FROM MANUAL SKILLS AND SOFTWARE NEEDS TO SELF AND FAST LEARNING.

SKETCHING (v.good)
MANUAL ENGINEERING DRAWING (excellent)

Trainer for architecture programs (authorized ).
Managing and presenting for many workshops.
Making educational tutorials.

Freelance graphic designer.
Photography.

Teamwork spirit.
Fast and self-learning.
Presentation skills.

Islamic pattern details drawings.
Volunteer and leader in many charity organizations.
Participation in extracurricular architectural activities.

## COMPETITIONS:

JO GREEN – (SEMI-FINAL )
INNOVATION DESIGN FOR
GREEN BUILDING FOR STUDENTS .

## INTERESTED IN:

Sustainable design
(LEED Credential)
Passive design.
Emotional impact of architecture
Cultural significance.
Construction details.
Evidence-Based Design (EDAC).
Innovative Interior design.

# CONTENT

## 1. DRUG ADDICTION RECOVERY CENTER

Graduation project

## 2. TOWER

included in sport city

## 3. THERAPY CENTER

## 5. RESIDENTIAL COMPOUND

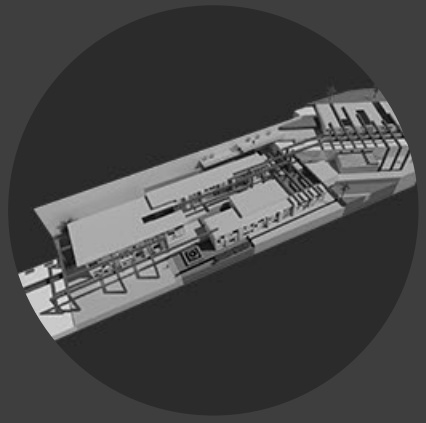
JO green competition-2017

## 7. TRAILERHOUSE

Interior Design

## 4. LEARNING COMMON

Graduation project



## 6. THERAPEUTIC GARDEN

Landscap

## 7. OTHERS . . .

# DRUGE ADDICTION RECOVERY CENTER

Graduation project

DESCRIPTION:

Generally, among the many problems caused by addiction are psychological problems that lead some young people to addiction, such as poor relationship with the family, misconceptions in which the individual believes and weakness of personality. Because we believe that the prosperity and progress of any society depends on the category of youth and their awareness. Poor relationship with family, isolation from society and emptiness and feeling of low importance. The project is based on the psychological rehabilitation of the patient and make it more powerful and conscious in the face of future problems. The project aims to increase the productivity of the individual, which contributes to increase the productivity of society.

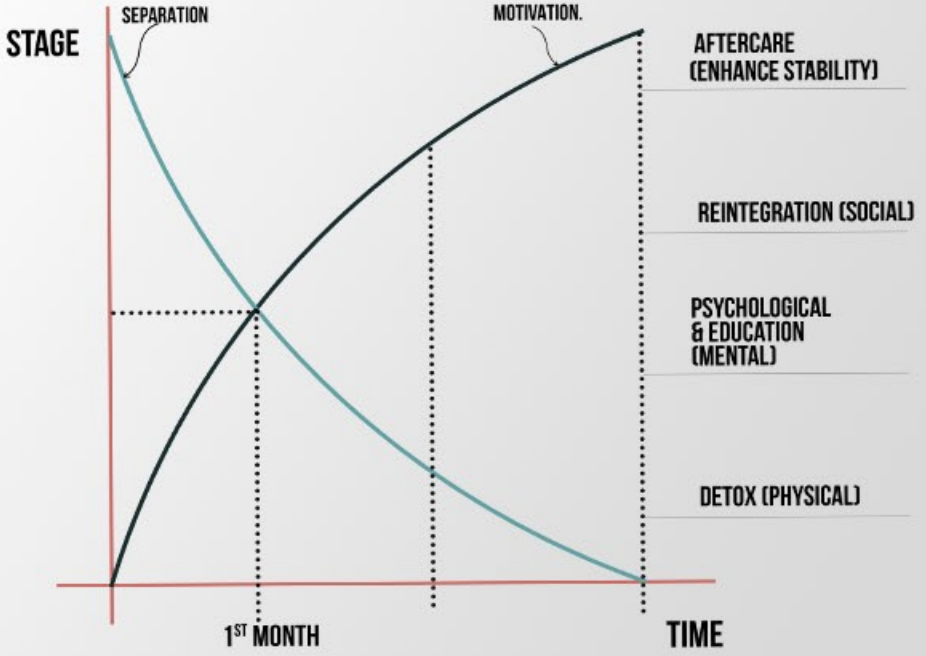
# APPROACH : EVIDENCE-BASED DESIGN (EBD)

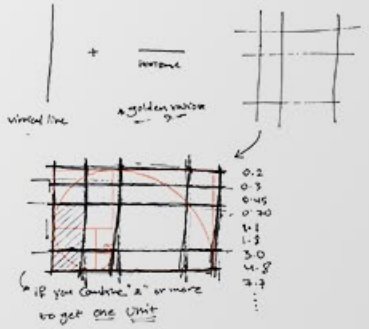
| EBD | Reduce Patient Stress | Reduce Staff Stress | Improve Safety | Improve Quality | Increase Operational Efficiency |
|---|---|---|---|---|---|
| Method | Lighting, ventilation, social activities. | - Treatment through environment.<br>- Indirect control.<br>- Decentralized rooms . | Control crowded areas. Increase confidence. | Self-healing | Durable building. Green spaces. |
| Architecture | sky light, shared spaces. | - Control entrances and circulation.<br>- Separated circulation.<br>- therapeutic garden. | - Fixable partitions.<br>- Courtyards.<br>- Private room.<br>- Smoking rooms. | Ornament, materials, interior spaces, furniture. | - Fixable partitions. |

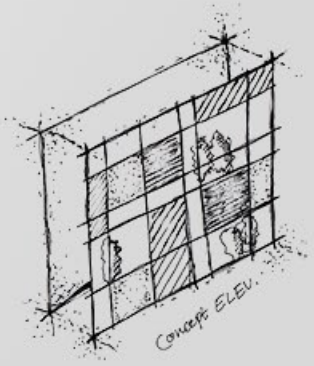
- **Enhances Patient Safety:**
- **Reduce Staff/ Medical Errors:**
- **Decreased Need for Medication:**
- **Reduce Staff Injuries and Turnover:**

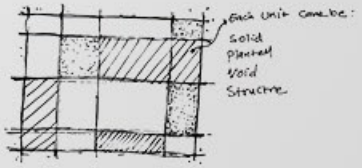
| Problem | Weak of faith | Void | Love of experience | stress | Movies and shows |
|---|---|---|---|---|---|
| solution | Enhance spiritual health spaces | Doing something with benefits | Awareness for adductors and local people | Places for psychological comfort. Socially | Events and shows |
| architecture | Space design | - Art and craft spaces.<br>- Sport area<br>- Brain games | CBT Library<br>- Open lectures | - Natural lighting<br>- Water feathers<br>- Visual view | Events area Show room |
| EBD | - Less medical treatment.<br>- Less work for employee<br>Less medical cost | - Brain treatment<br>- Safety activity<br>- Improve social behaviour.<br>- Physical production | - Decrees the adductors | - Self-healing | Increase Awareness |

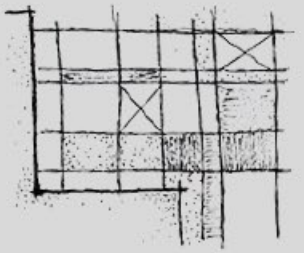
# CONCEPT



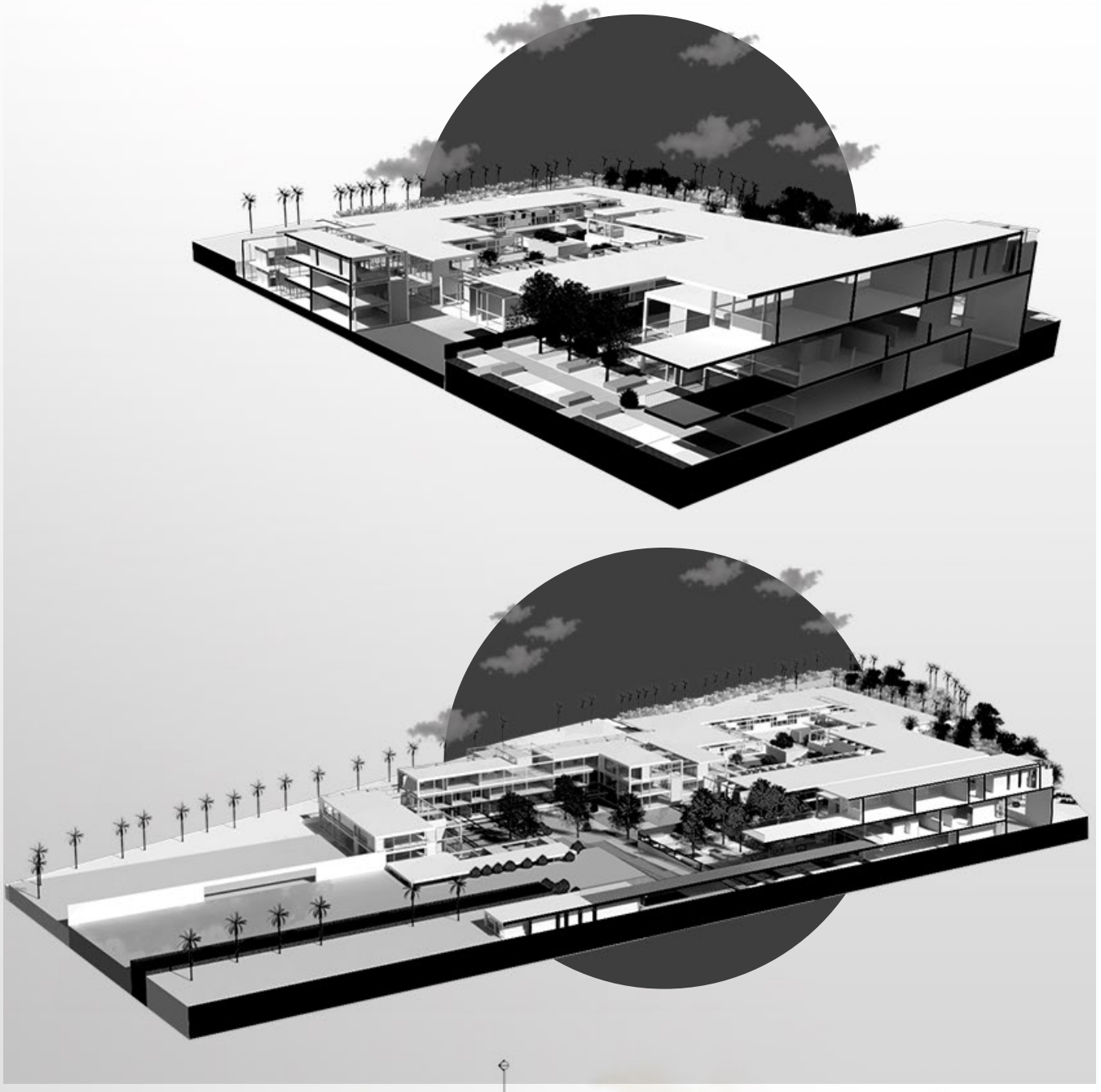



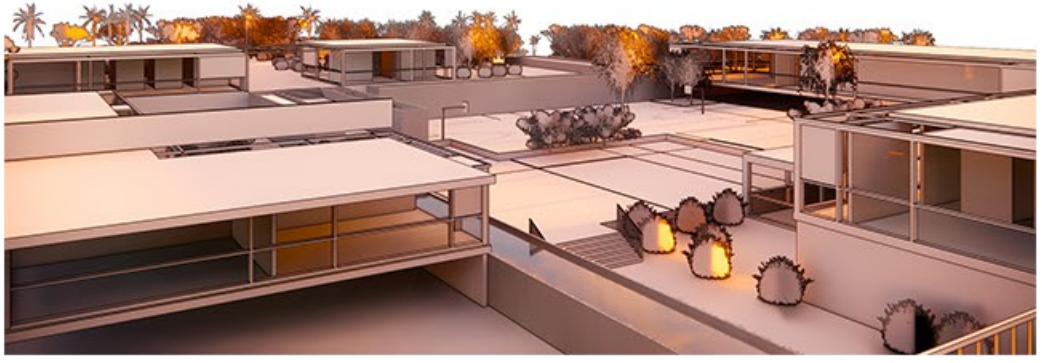


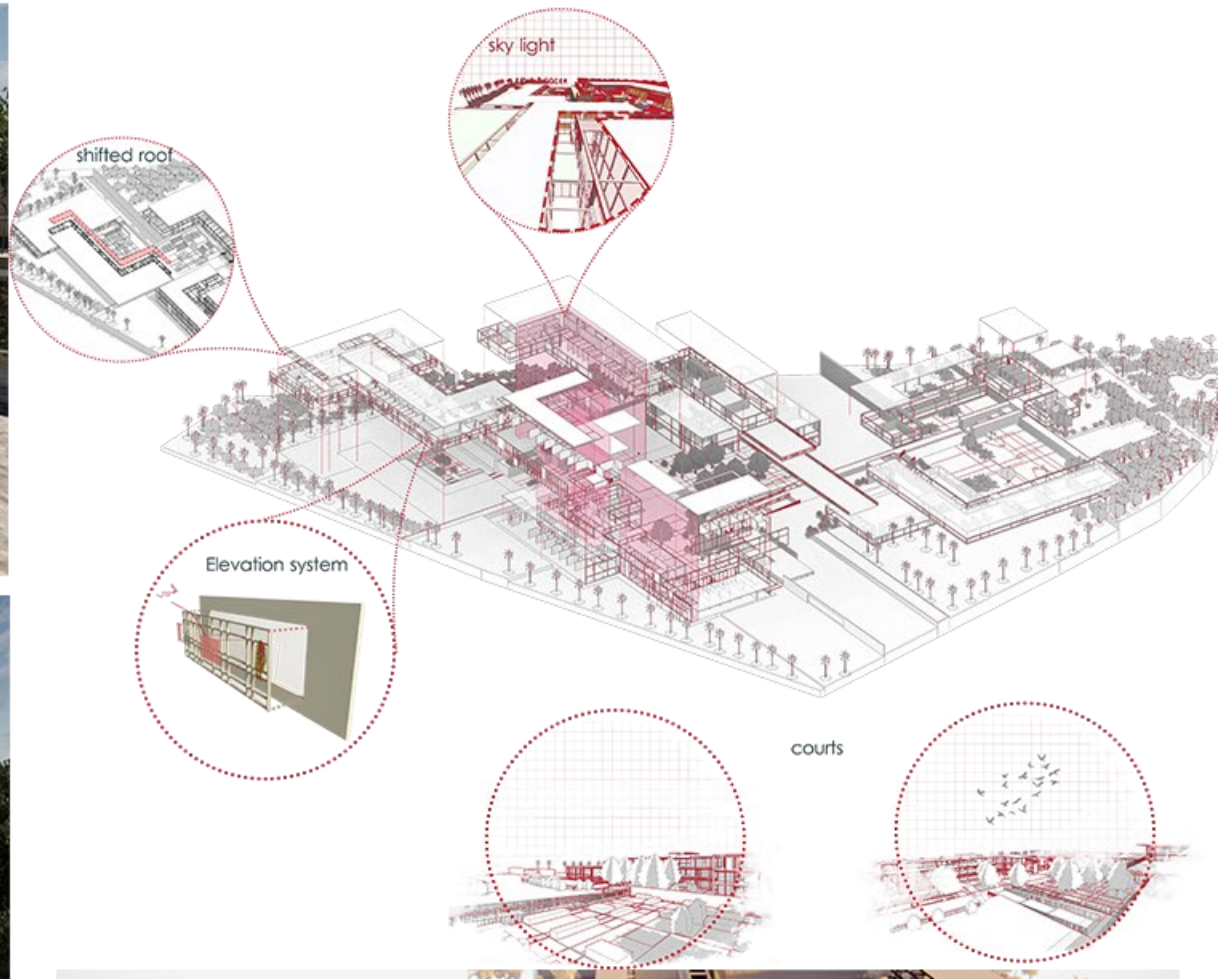




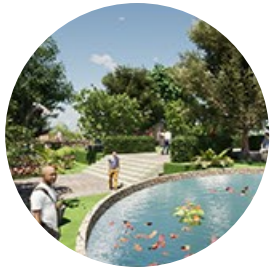
# SITE PLAN

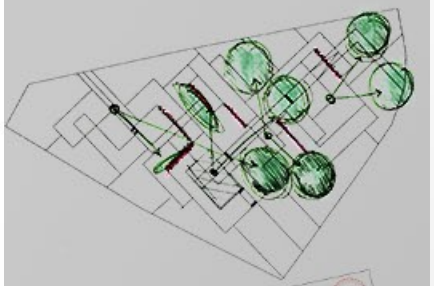


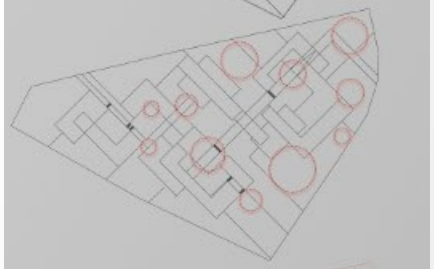


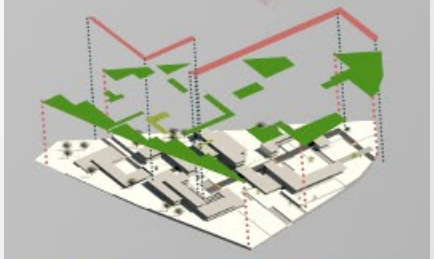

sky light
shifted roof
Elevation system
courts

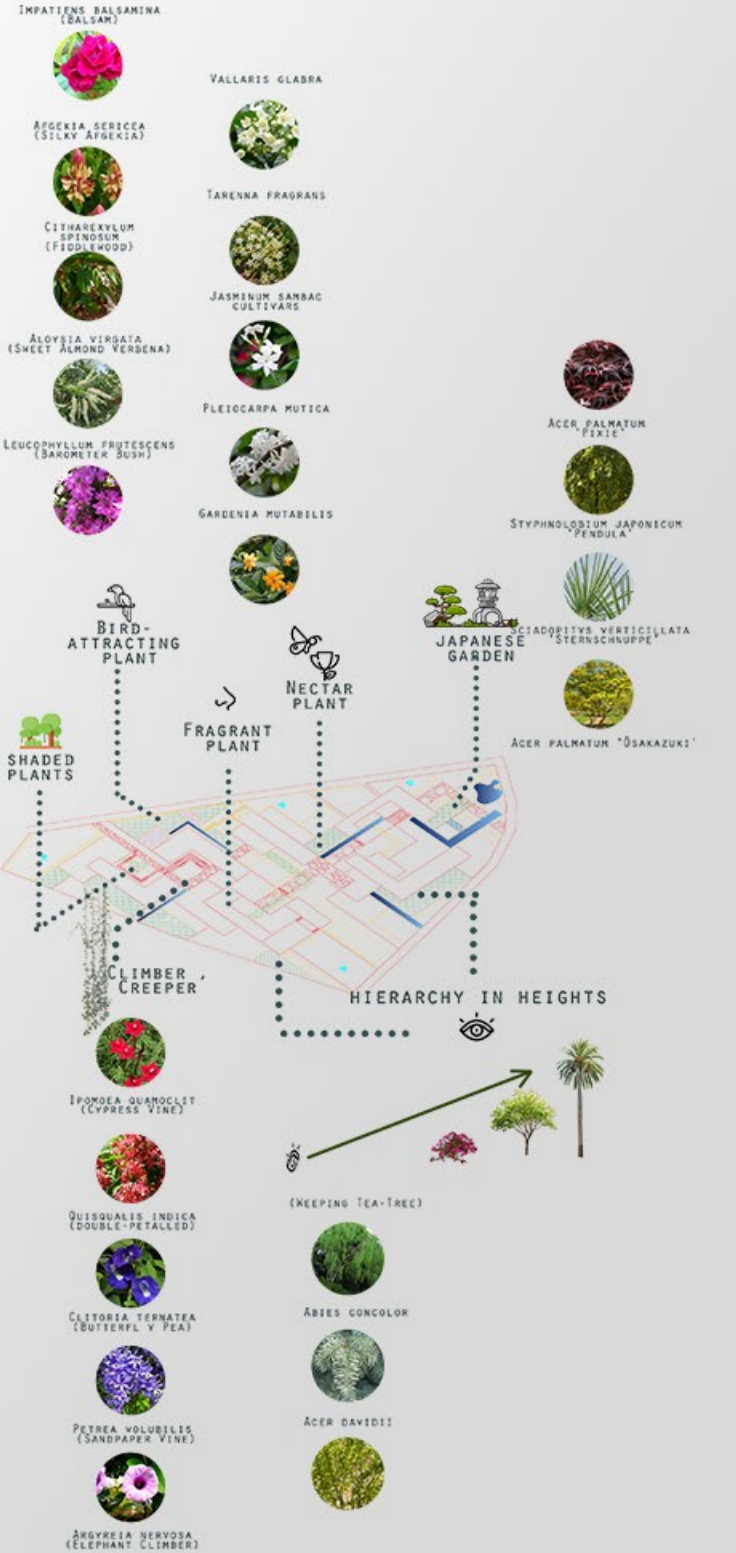
# LANDSCAPE DETAILS



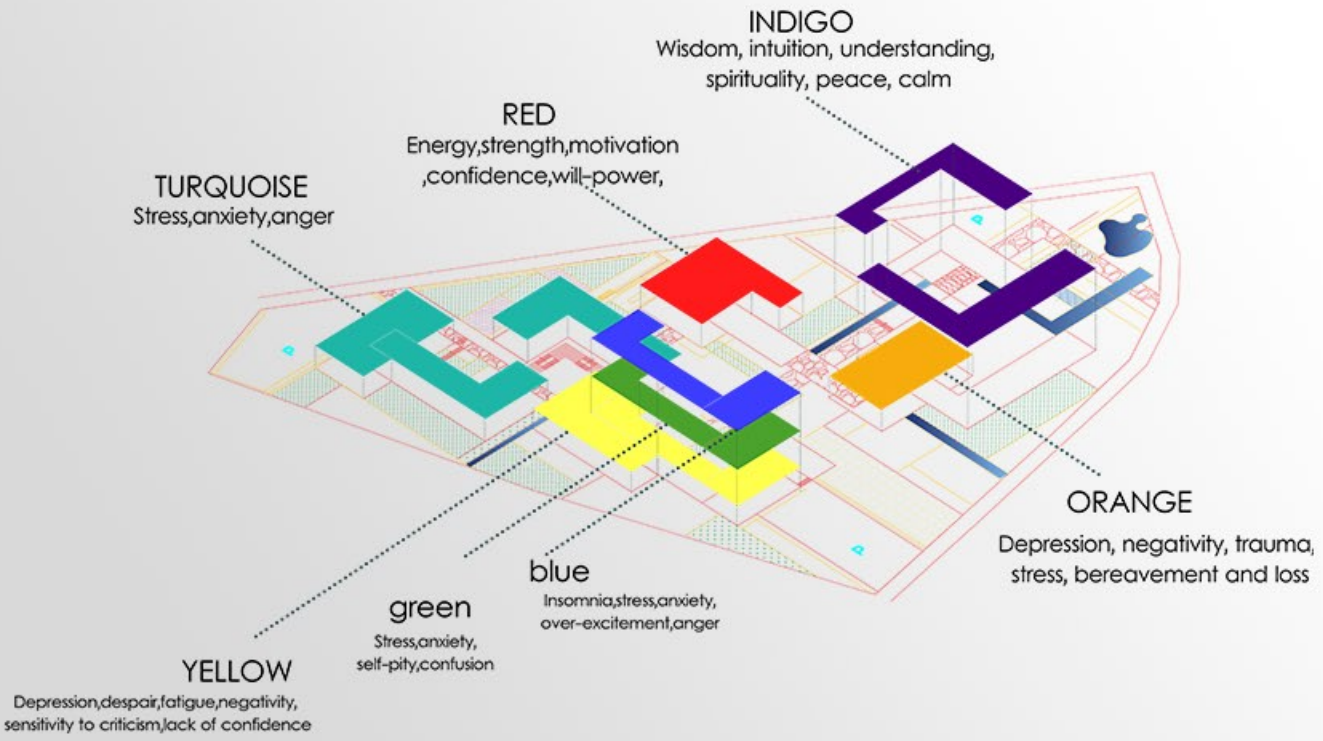


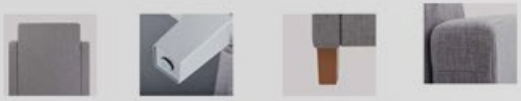


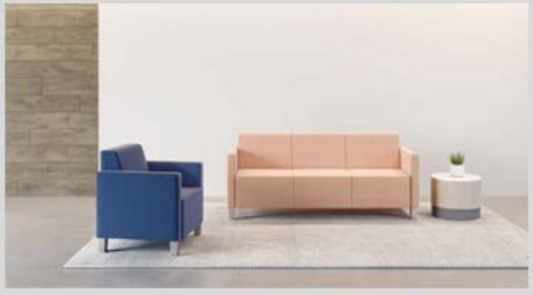




# INTERIOR DETAILS







# TOWER

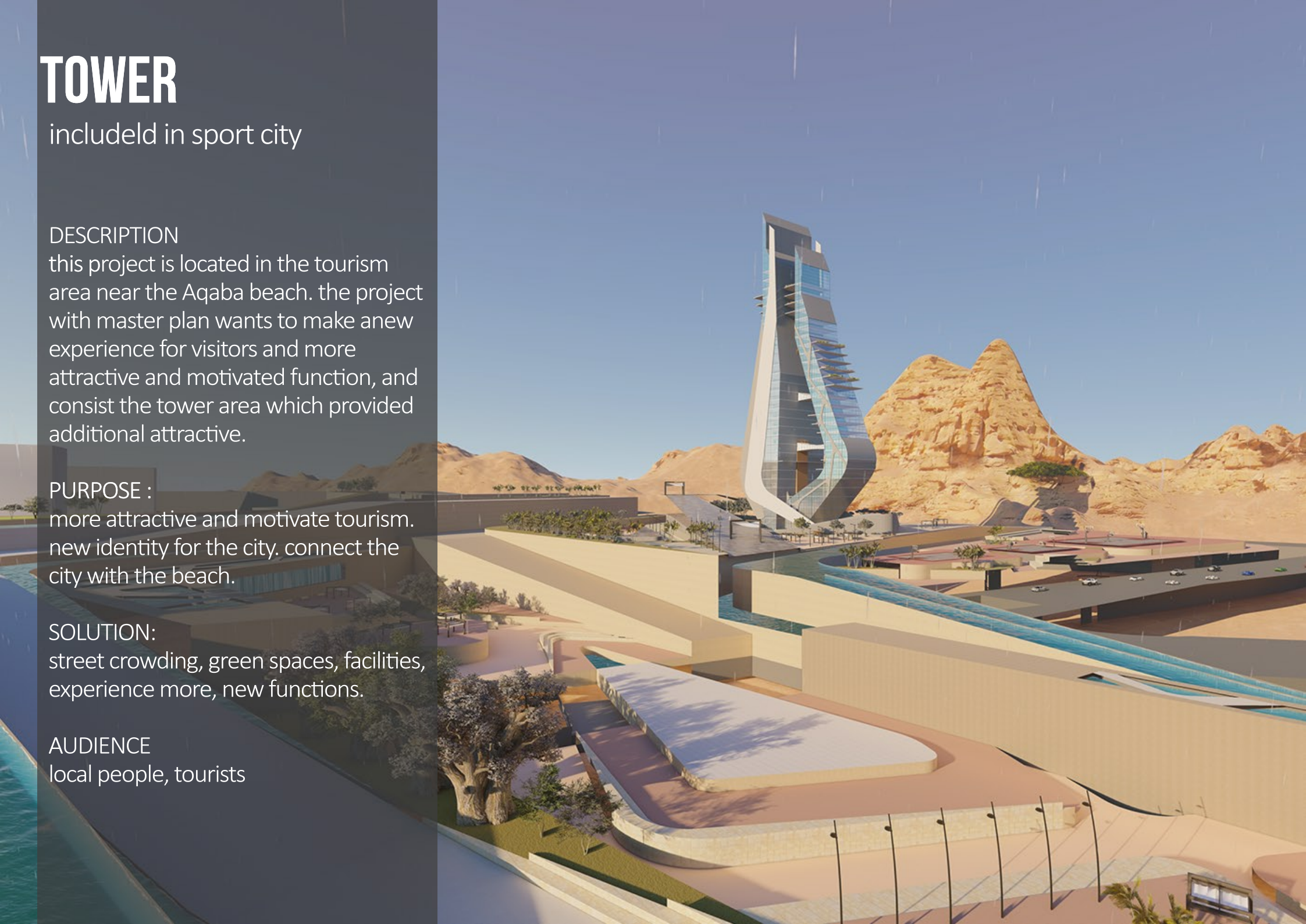
includeld in sport city

DESCRIPTION
this project is located in the tourism area near the Aqaba beach. the project with master plan wants to make anew experience for visitors and more attractive and motivated function, and consist the tower area which provided additional attractive.

PURPOSE :
more attractive and motivate tourism. new identity for the city. connect the city with the beach.

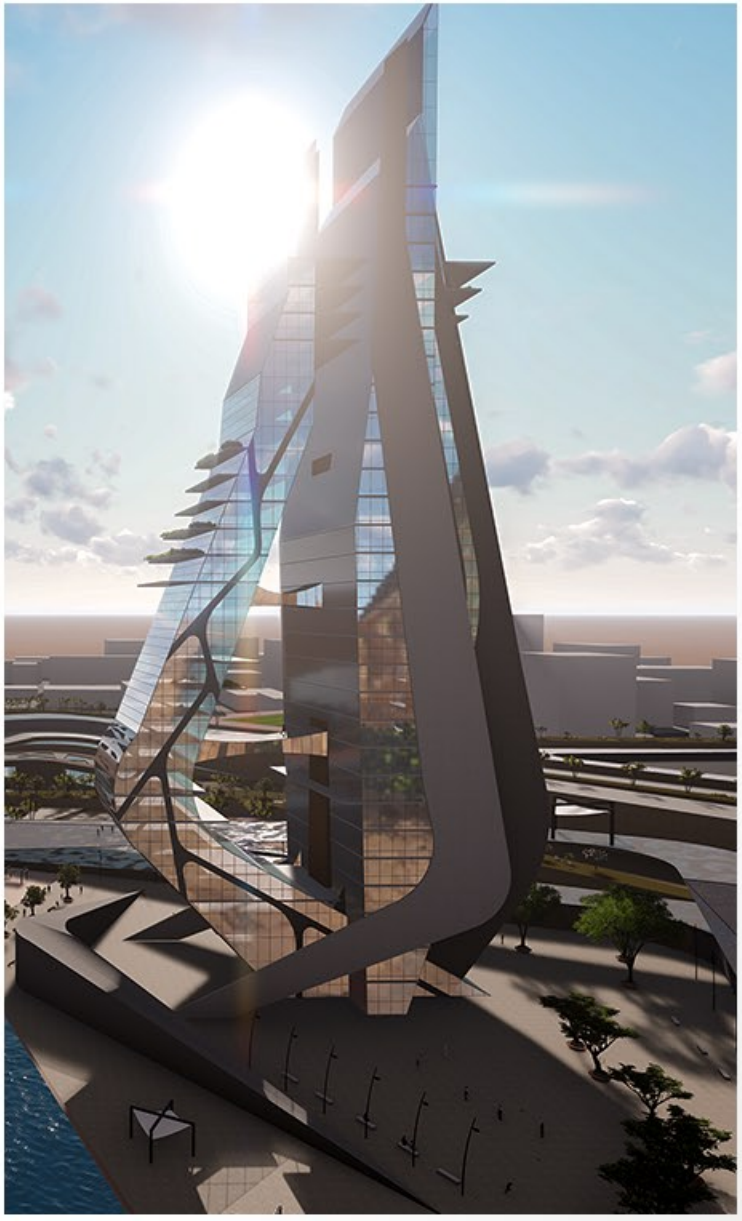
SOLUTION:
street crowding, green spaces, facilities, experience more, new functions.

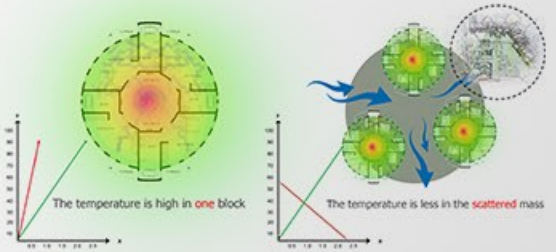
AUDIENCE
local people, tourists

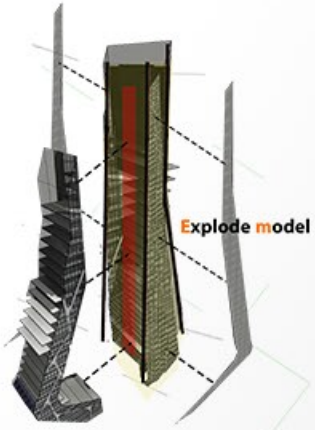


# CONCEPT STATMENT :

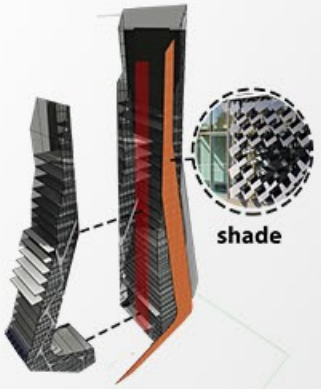
The main itdea came from the environment of Aqaba city, so we design for the vertical courtyard to ensure good ventilation for the tower.



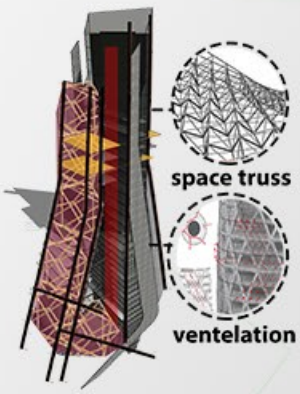



Main vertical elements

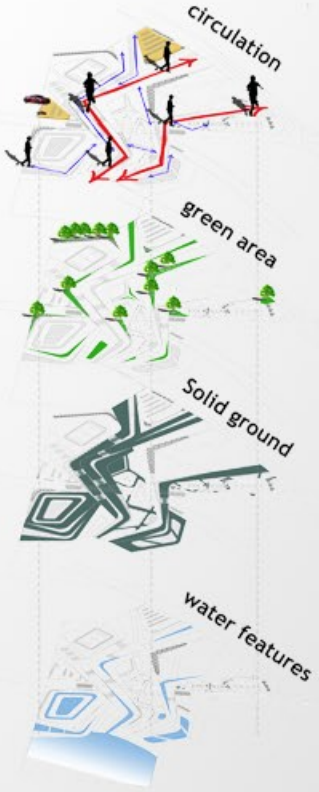


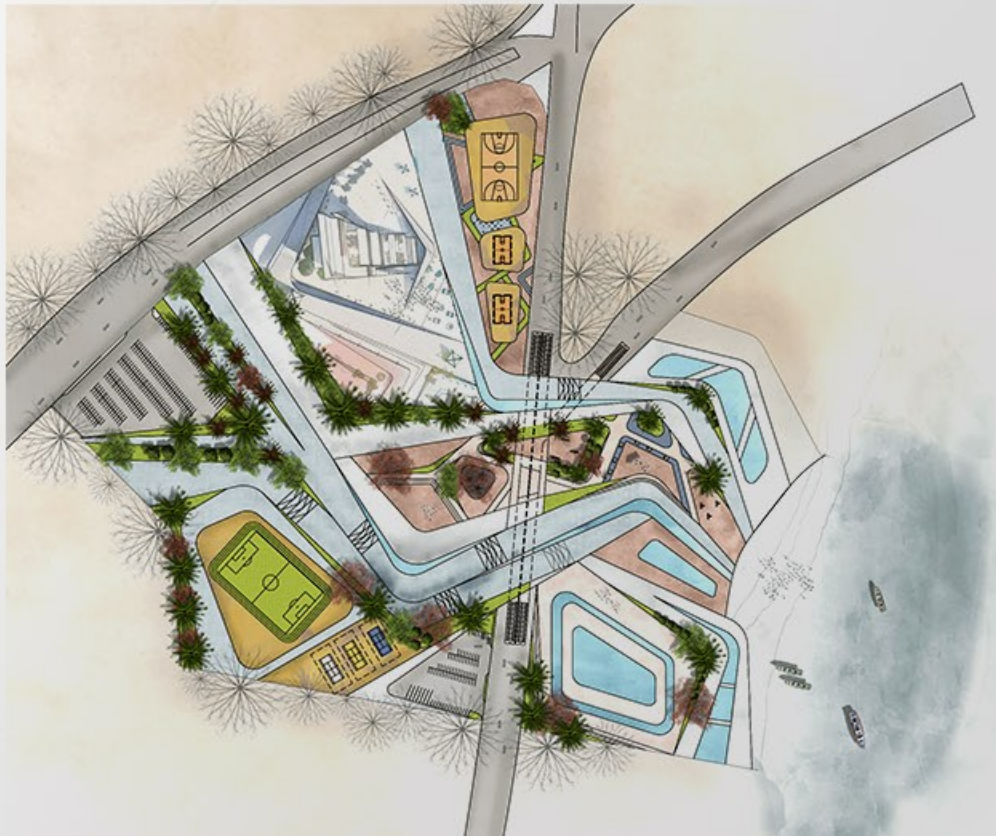

Organic shape skin element

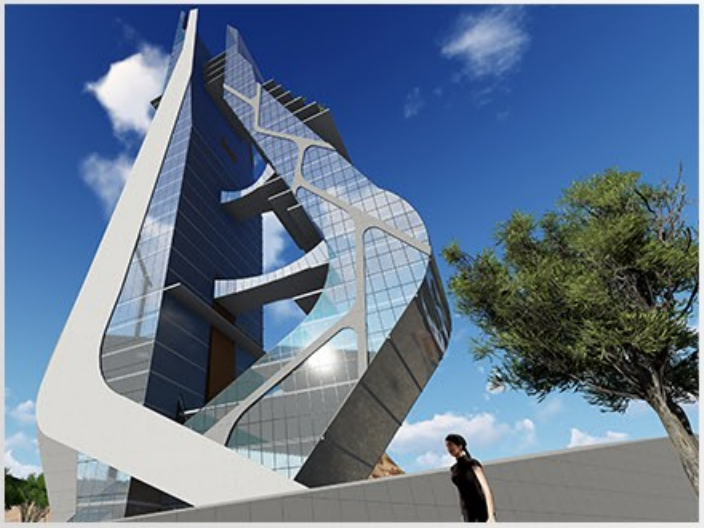



Sloping block

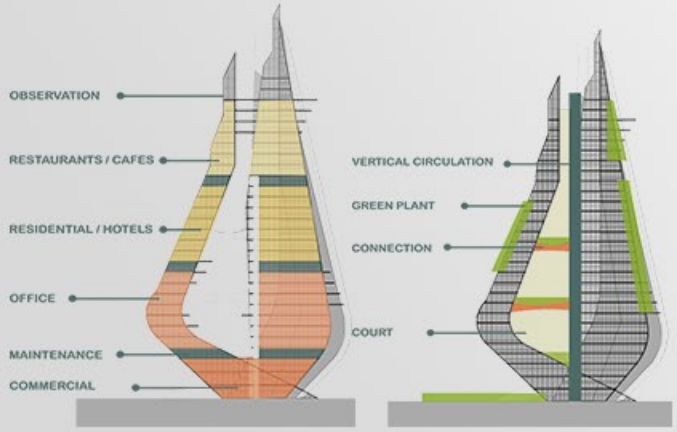
Structure modeling

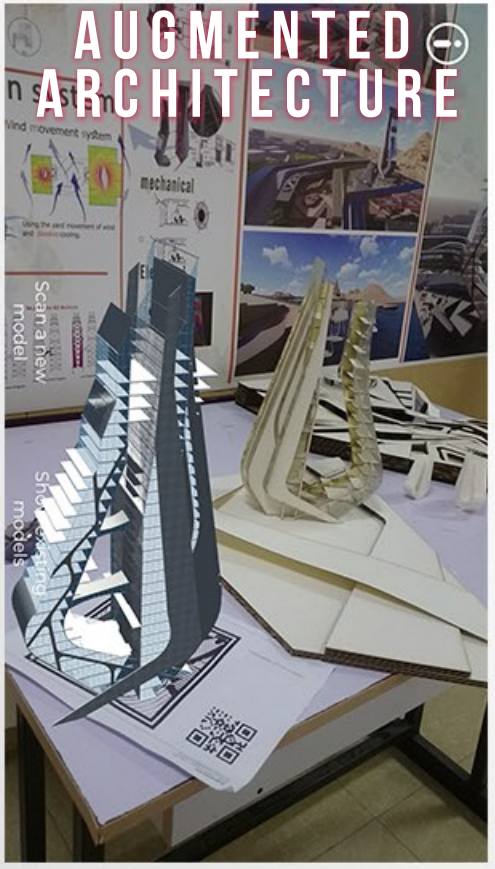


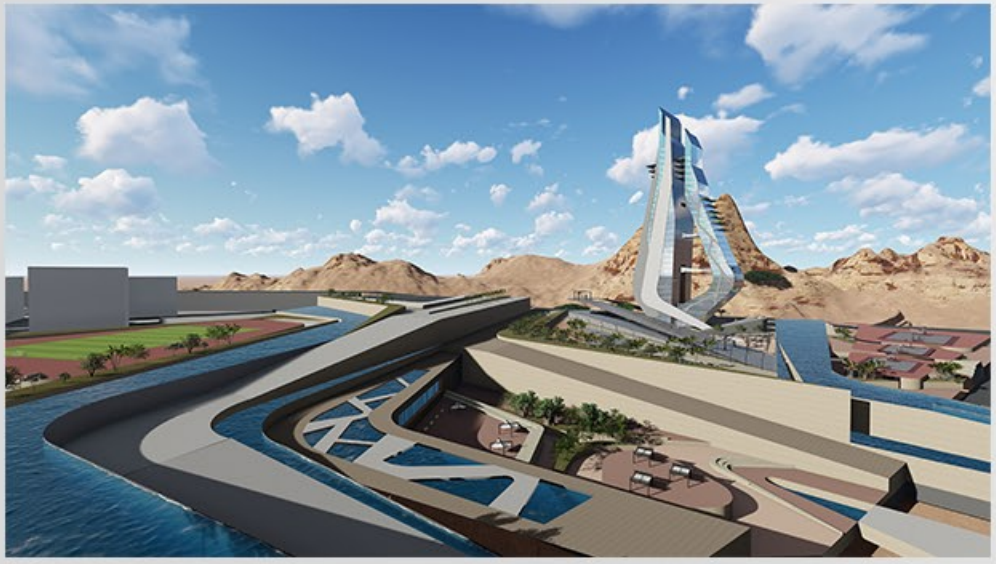



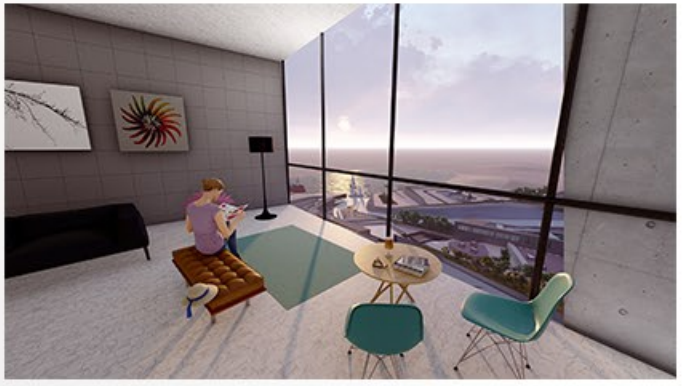


DON'T MISS
THE VIDEOS









# THERAPY CENTER

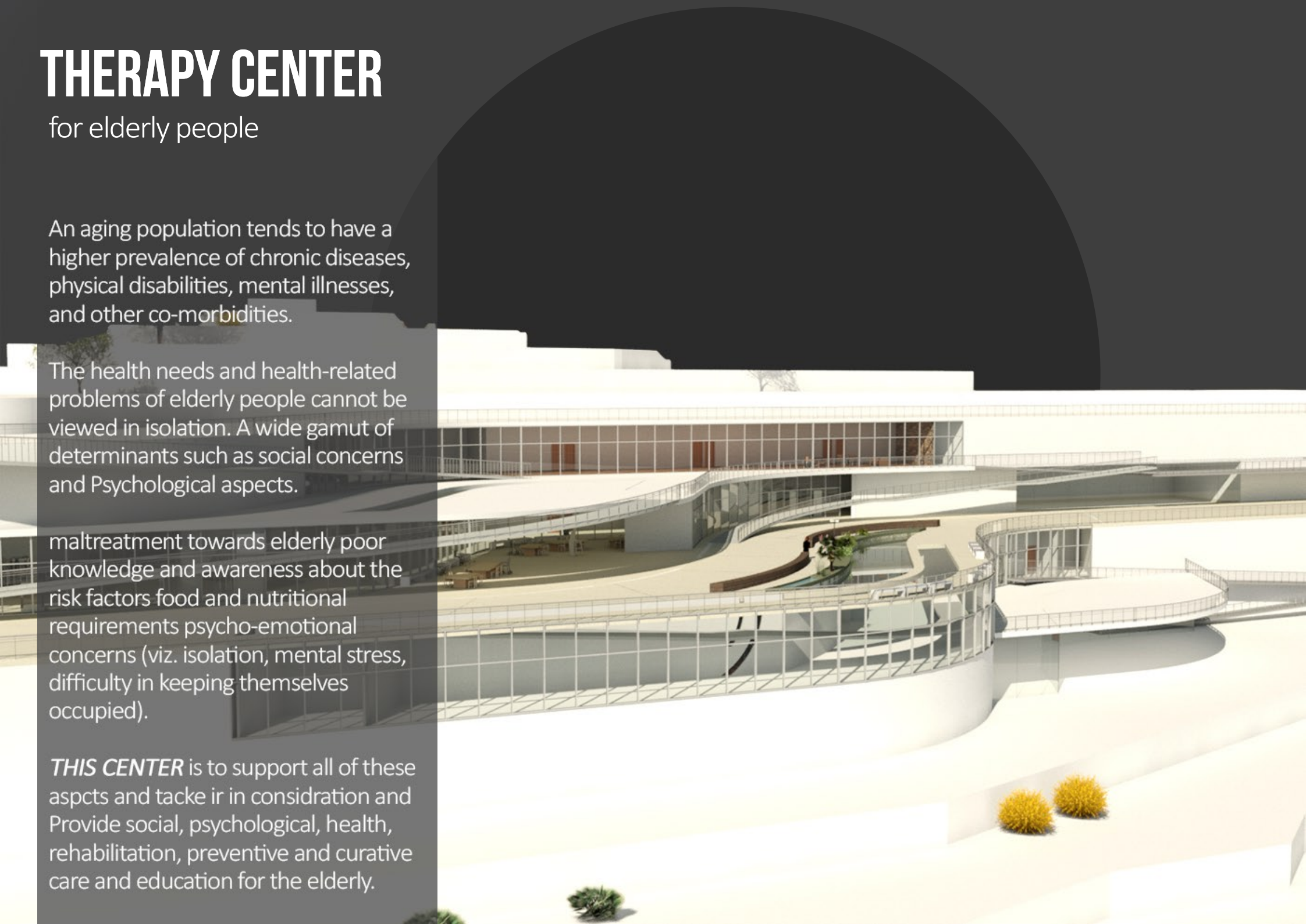
for elderly people

An aging population tends to have a higher prevalence of chronic diseases, physical disabilities, mental illnesses, and other co-morbidities.

The health needs and health-related problems of elderly people cannot be viewed in isolation. A wide gamut of determinants such as social concerns and Psychological aspects.

maltreatment towards elderly poor knowledge and awareness about the risk factors food and nutritional requirements psycho-emotional concerns (viz. isolation, mental stress, difficulty in keeping themselves occupied).

***THIS CENTER*** is to support all of these aspcts and tacke ir in considration and Provide social, psychological, health, rehabilitation, preventive and curative care and education for the elderly.

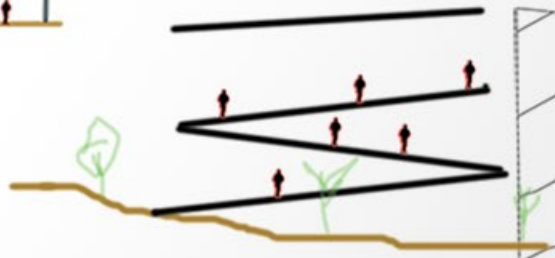


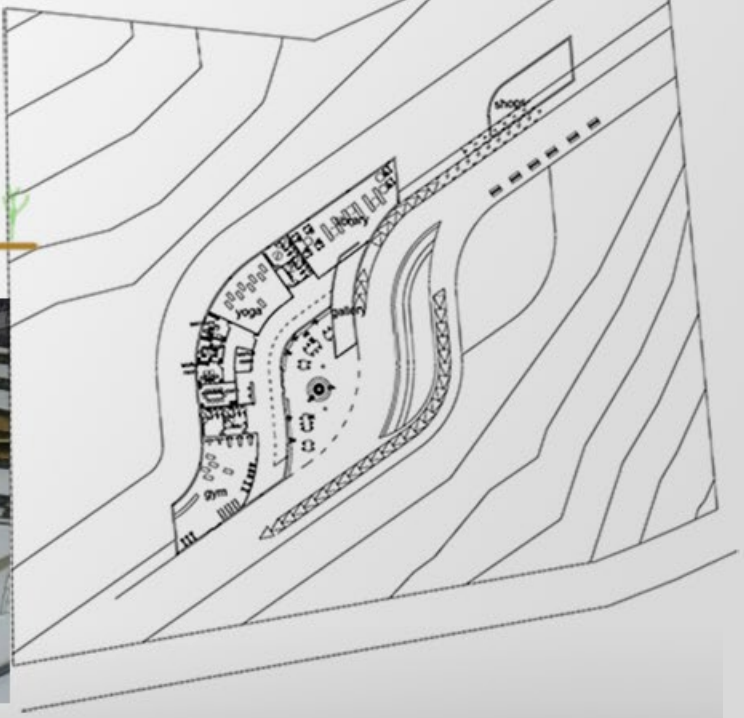
# CONCEPT STATMENT :

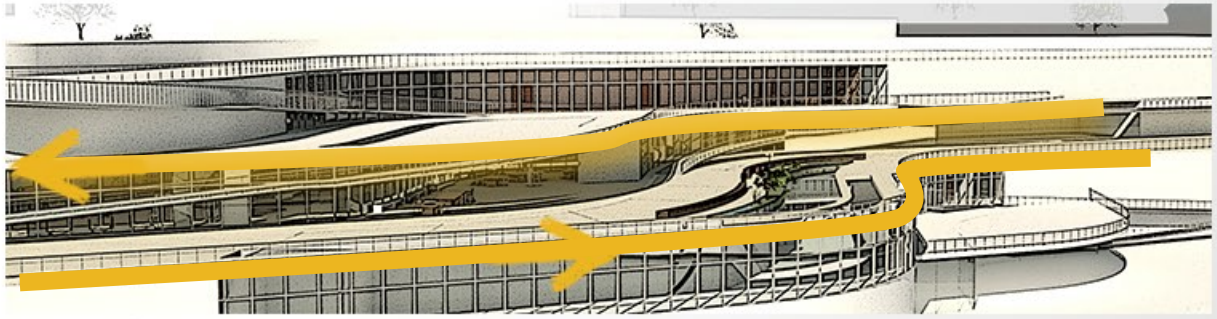
our design consantrated in some points :

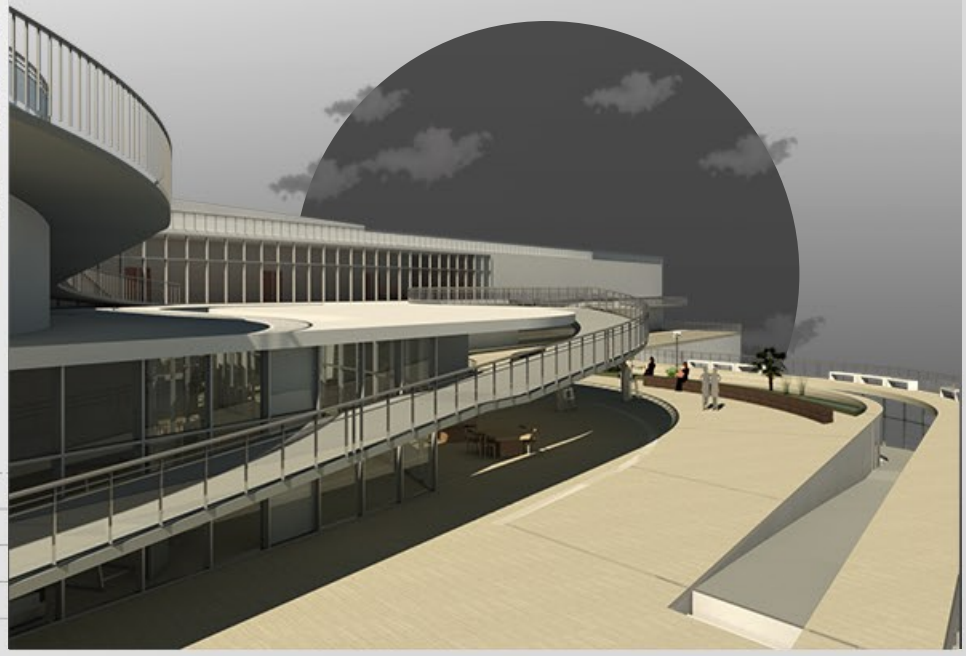
-site challenges .

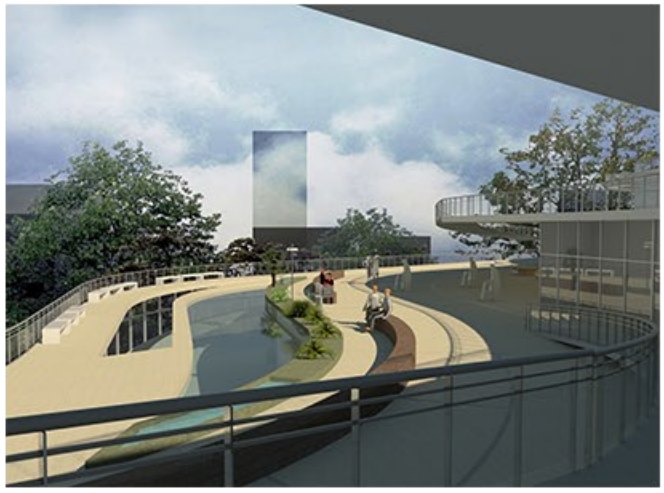
-user specialist qualified design strategies.









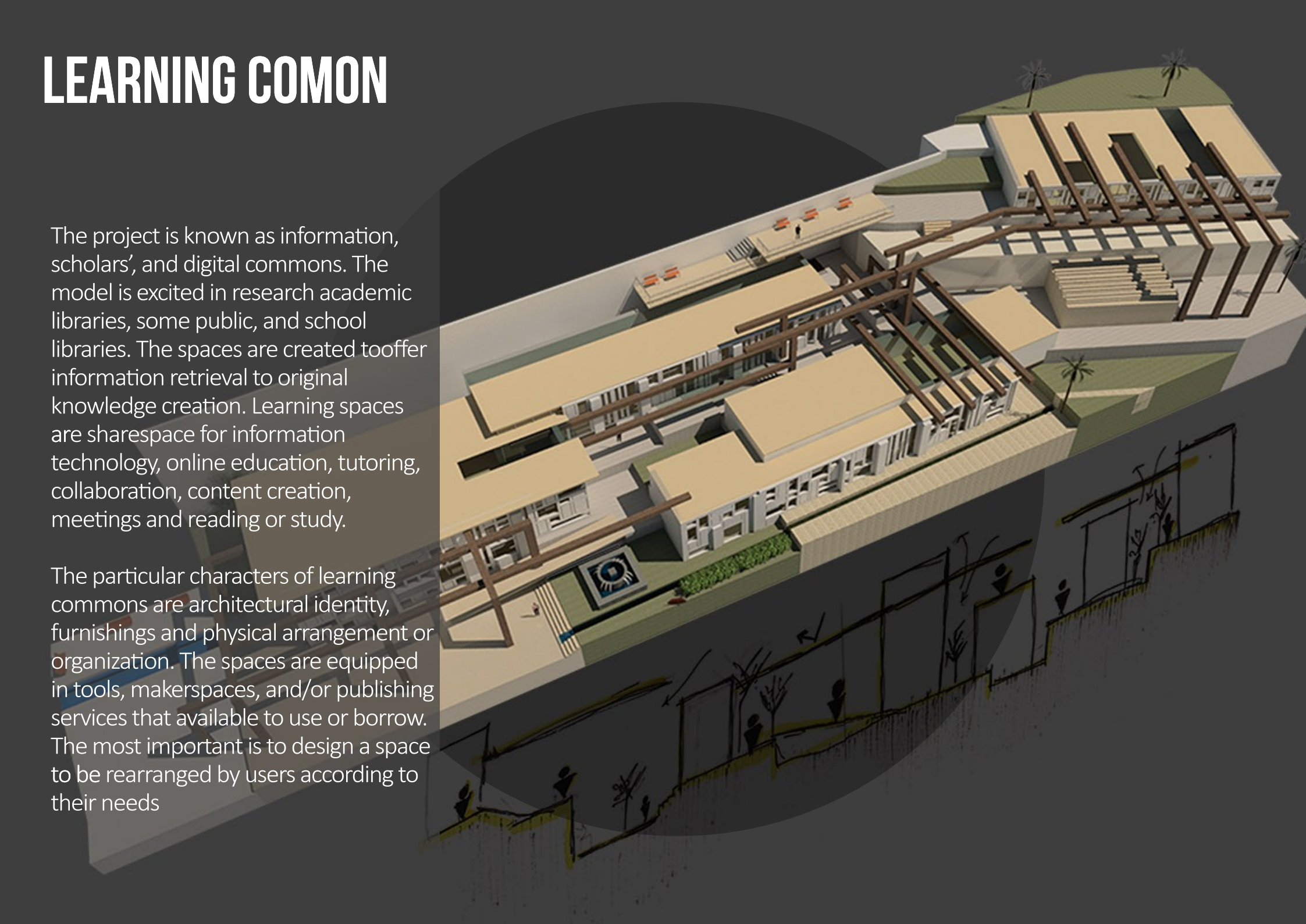


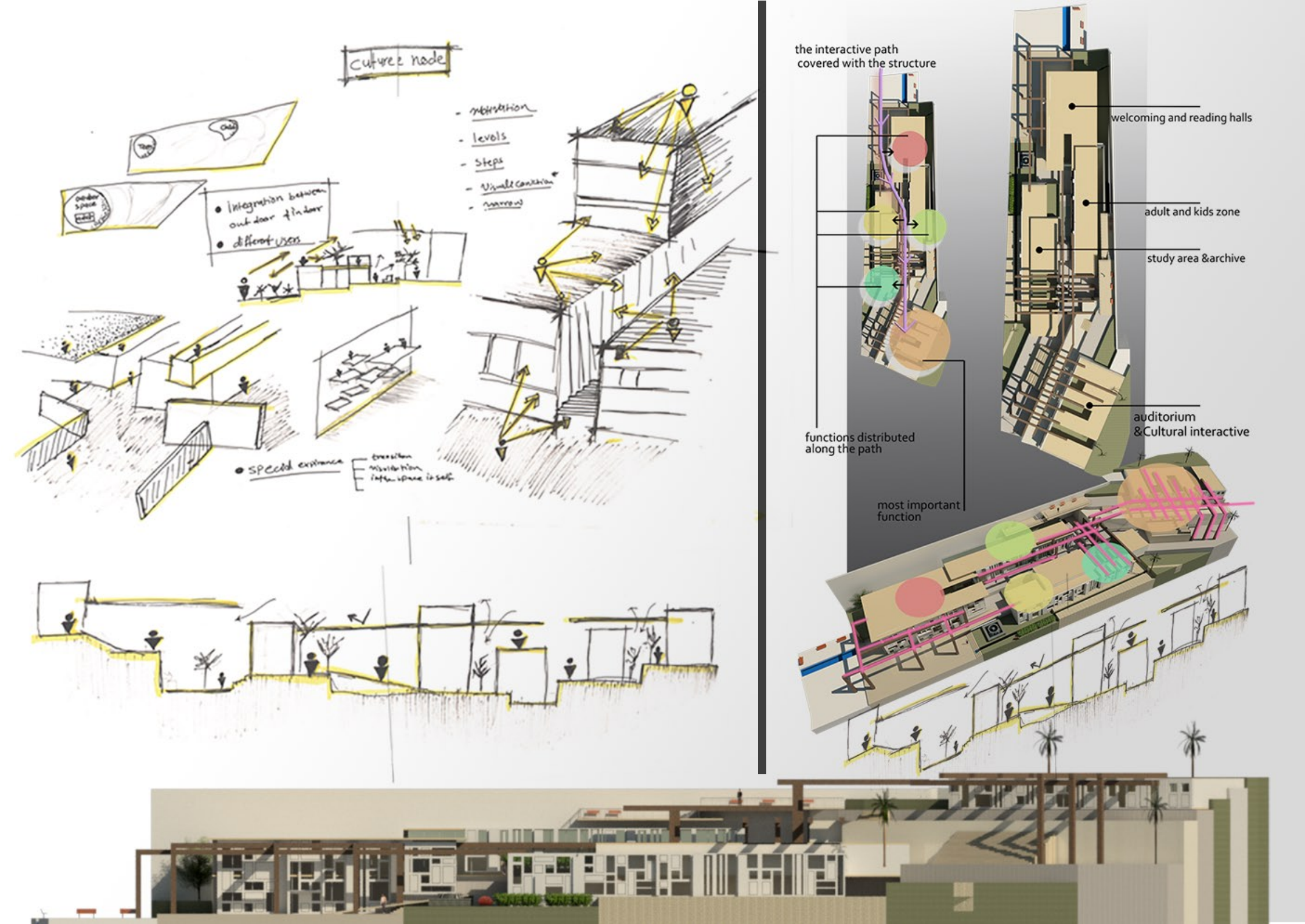
IT'S NOT JUST THERAPY BUILDING; IT'S OUR DESIGN FEELING TOWARDS THOSE USER'S .IT TAKES A LOT TO AWARE OF THE EMOTIONAL IMPACT AND THE COMPATIBLE ENVIRONMENT FOR HIM

# LEARNING COMON

The project is known as information, scholars', and digital commons. The model is excited in research academic libraries, some public, and school libraries. The spaces are created tooffer information retrieval to original knowledge creation. Learning spaces are sharespace for information technology, online education, tutoring, collaboration, content creation, meetings and reading or study.

The particular characters of learning commons are architectural identity, furnishings and physical arrangement or organization. The spaces are equipped in tools, makerspaces, and/or publishing services that available to use or borrow. The most important is to design a space to be rearranged by users according to their needs





culture node
- levels
- steps
- narrow
• integration between out door & indoor
• different users
• special experience
the interactive path covered with the structure
welcoming and reading halls
adult and kids zone
study area &archive
auditorium &Cultural interactive
functions distributed along the path
most important function

# LEARNING COMON

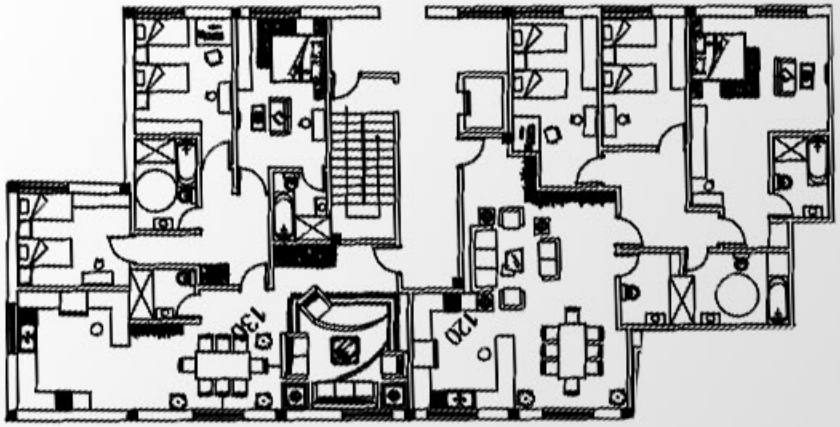
JO green competition-2017

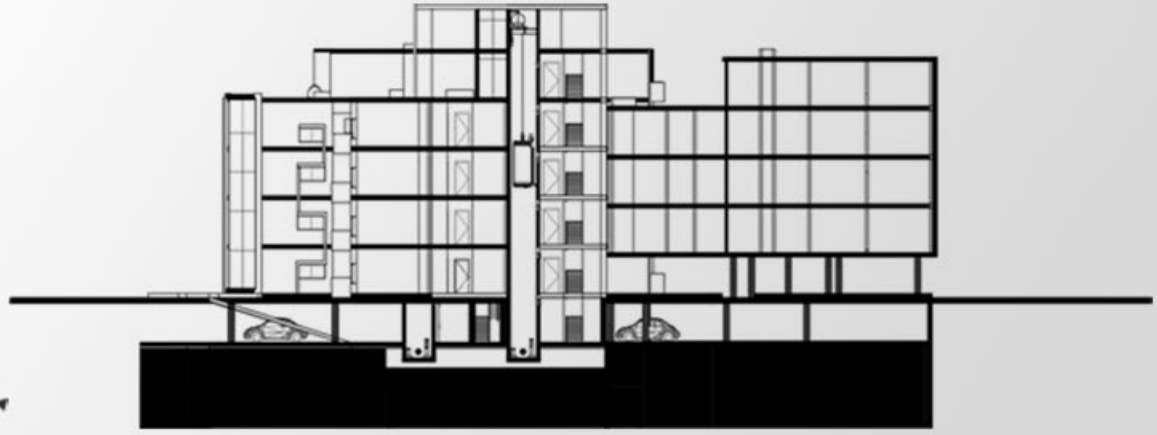
Jordan is facing challenges in securing its water and energy needs and in protecting natural resources from depletion and pollution. This is reflected in the growth of the national economy, the standard of living of citizens and environmental sustainability. It is necessary to seek solutions and innovative ideas to deal with these challenges, and to employ the concepts and applications of green building commensurate with the elements of local architecture and the possibilities of large segments of citizens in different types of buildings.

**THIS DESIGN** contains about 50 department compatible with low income people .

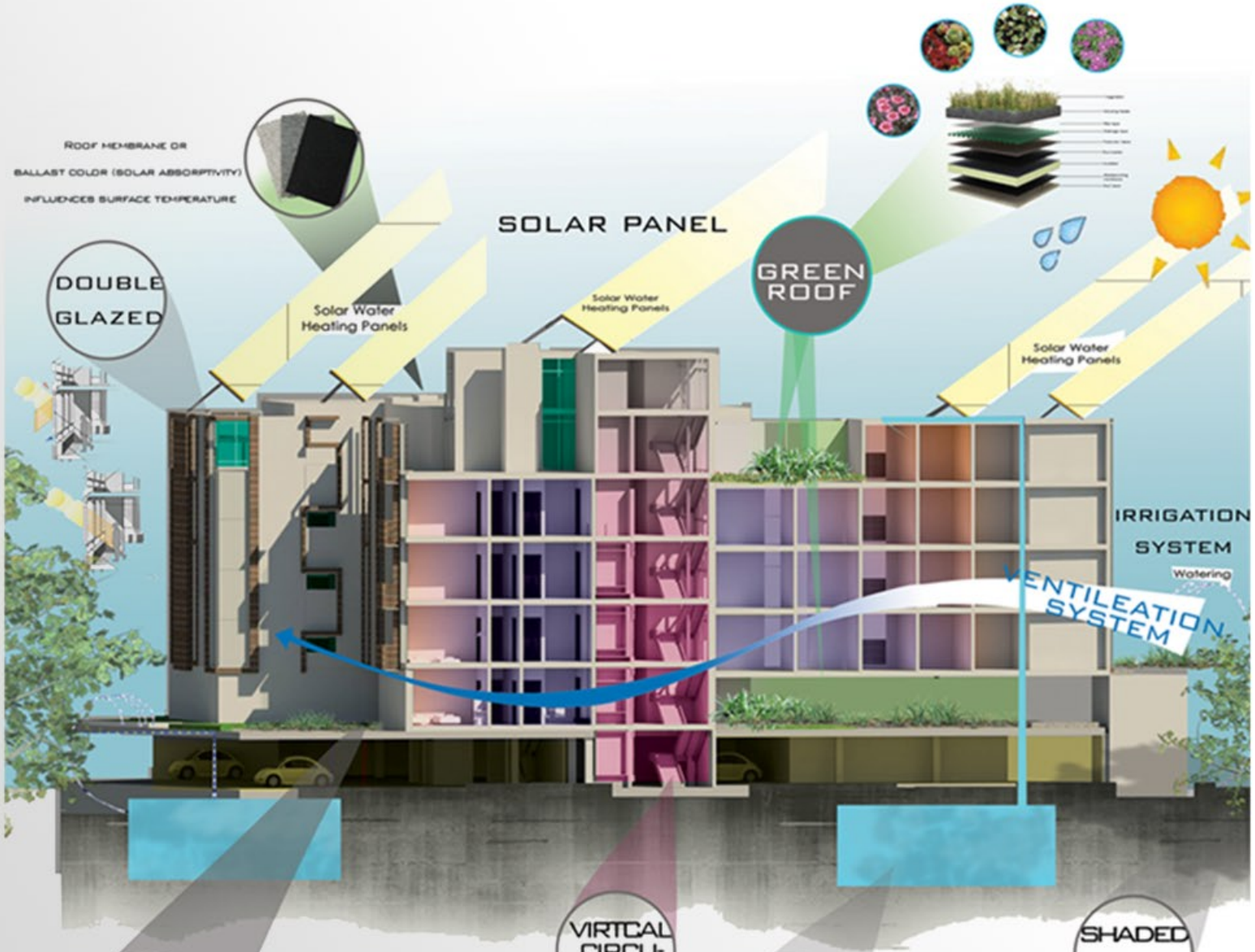
## MAIN PLAN

## ZOOM IN



# SECTIVE




# ELEVATION

# THERAPEUTIC GARDEN

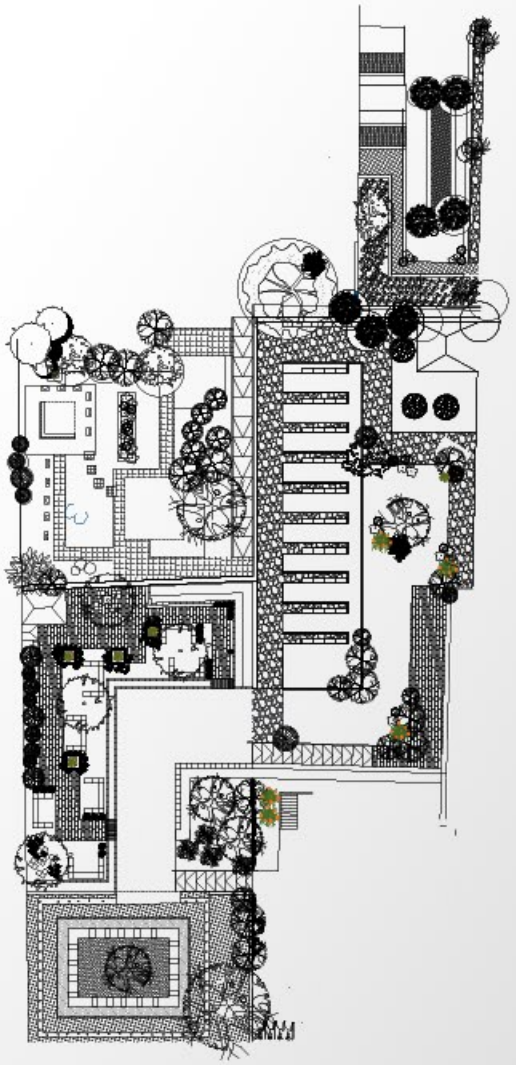
landscape project

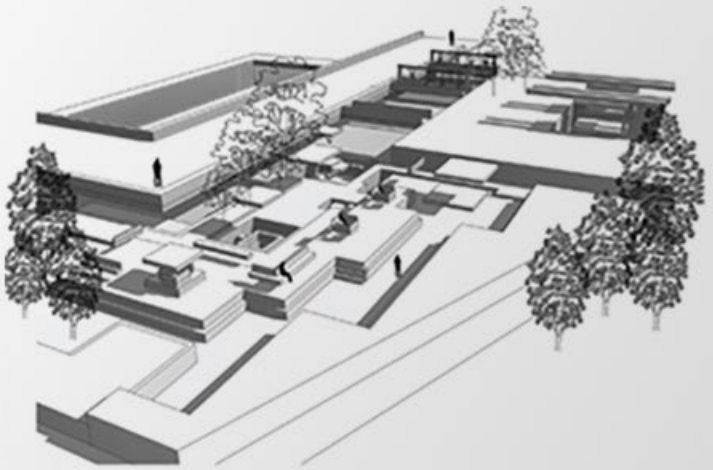
The therapeutic garden is one of the types of parks that must be available in the cities especially the overcrowded ones to provide visual and psychological comfort and others. Jordan lacks this type of garden with the availability of infrastructure and basic necessities.
A therapeutic garden is a plant-dominated environment purposefully designed to facilitate interaction with the healing elements of nature. Interactions can be passive or active depending on the garden design and users' needs. There are many sub-types of therapeutic gardens including healing gardens, enabling gardens, rehabilitation gardens, and restorative gardens.

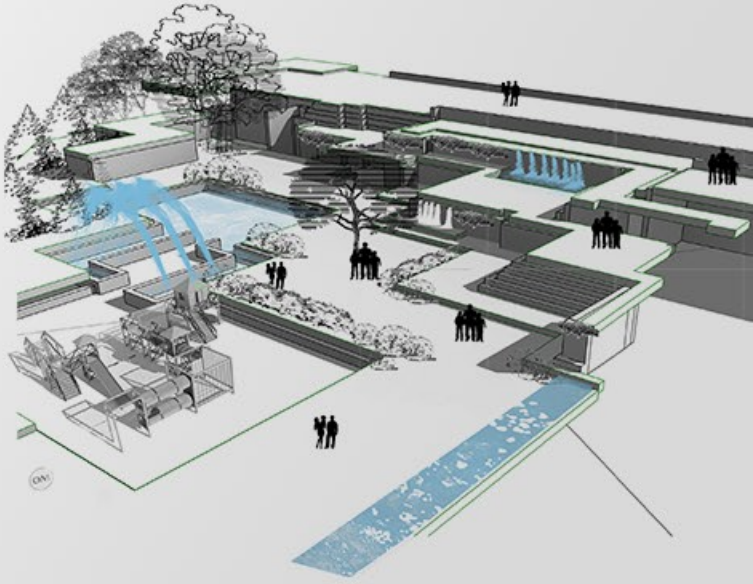
- A therapeutic gard en is designed for use as a component of a treatment program such as occupational therapy, physical therapy, or horticultural therapy programs and can be considered as a subcategory of a healing garden
- motivative experience for the visitor according to functions and it's distribution.

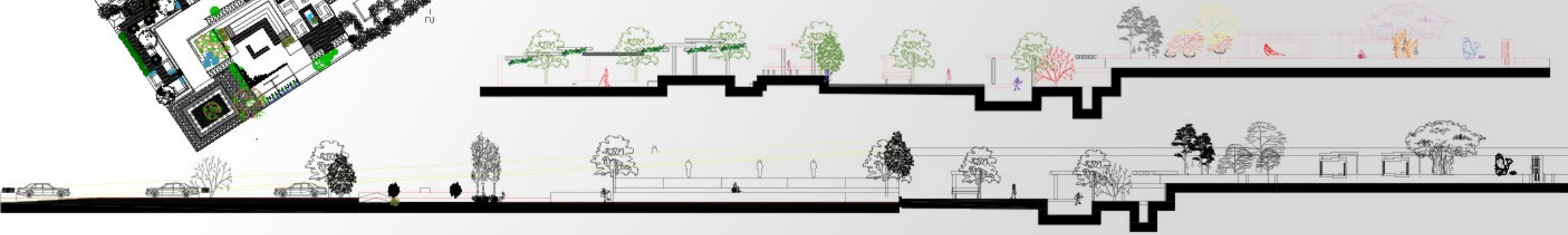
# SCHEMATIC PLAN

# DETAILD PART









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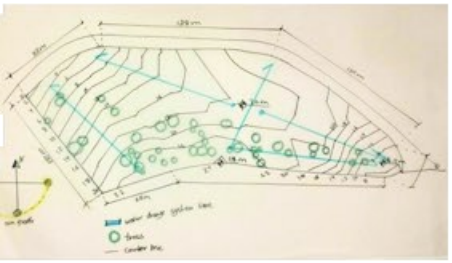
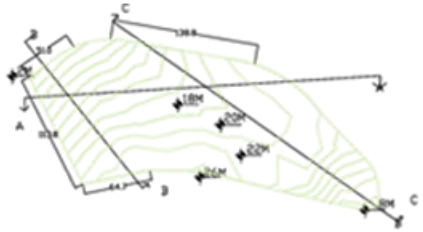
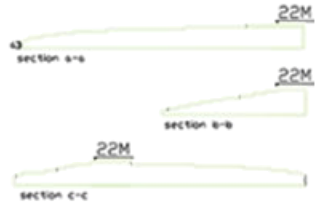


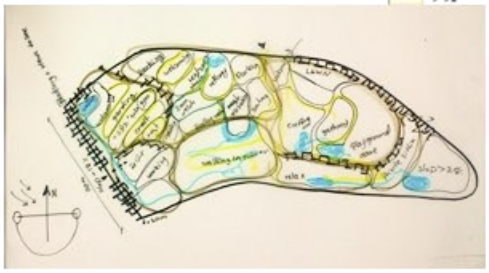


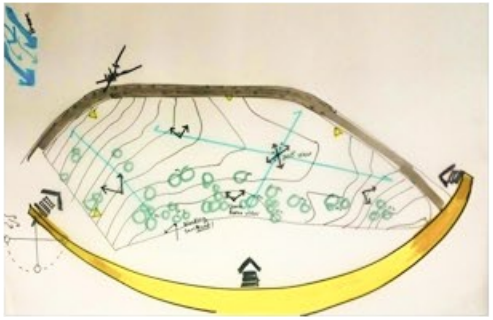


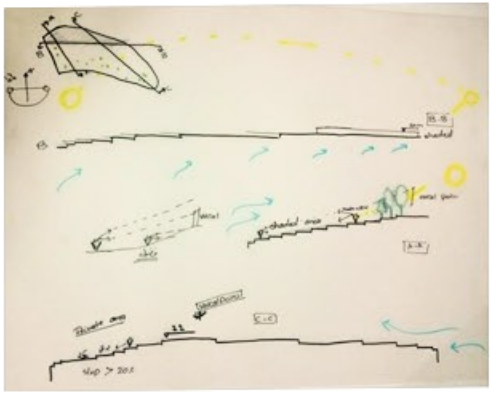
area
:
32455m2

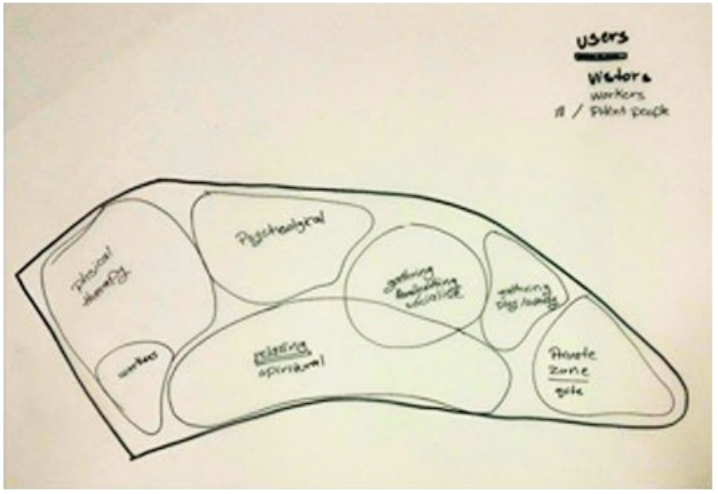
28%
20%
12.5%
11%
10.5%
9%
7%

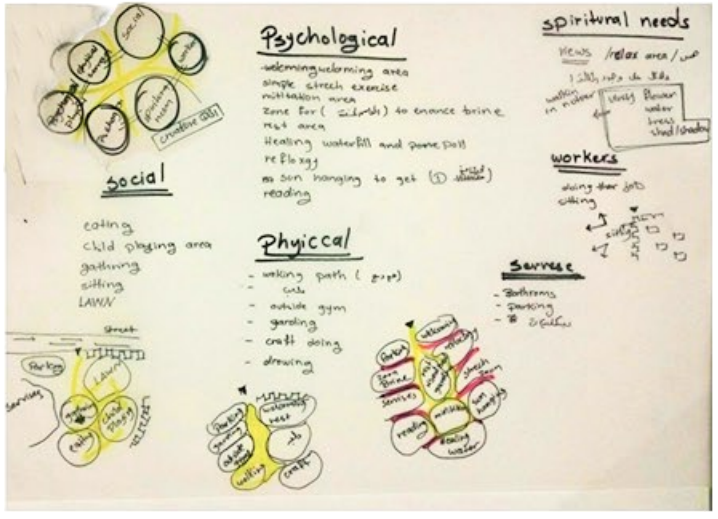
SLOP MAP










| | Photo | Height | Most commonly used | Color changing |
|---|---|---|---|---|
| DESERT WILLOW | | 1.5 - 8 m | 1) used in traditional medicine<br>2) The wood was used to make bows and baskets. | Colors ranging from lavender to light pink. The throat and lower lip has a pattern of yellow ridges and purple lines. |
| VITEX | | 1 – 5 m | 1) Bear frost and exposure to sunlight.<br>2) Good tolerances of drought and wind<br>3) suitable for decoration in gardens, parks and streets | purple |
| AFGHAN PINE | | 30 - 50 ft | 1) tolerates heat, wind and drought conditions<br>2) It has strong branches and soft needles with an open and airy canopy compared to similar trees | Green |
| CRAPE MYRTLE | | 1 – 30 m | 1) Known for their colorful and long-lasting flowers which occur in summer.<br>2) Flowers are borne in summer and autumn in panicles of crinkled flowers with a crepe-like texture | Colors vary from deep purple to red to white, with almost every shade in between |
| DEER GRASS | | 3 – 4 ft | 1) Useful in an exposed garden setting for its deer resistance.<br>2) Used for erosion prevention and stream bank stabilization | light silver-green to purple |
| ROSE BUSHES | | 1-7 m | 1) Ornamental plants grown for their flowers in the garden and sometimes indoors.<br>2) Used for commercial perfumery and commercial cut flower crops. | colors ranging from white through yellows and reds |
| LAVENDER | | 1 – 3 ft | 1) Production of essential oil of lavender.<br><br>2) Used in cooking<br><br>3) Attracts Birds. | Light purple |

# TRAILER HOUSE

Interior Design

The Firm has been approached to re-design the #1 selling MANUFACTURED LIVING UNIT in the Clayton Homes line traditional site-built, modular, and manufactured housing. Clayton Homes built over 34,000 homes in 2015. Their mission is to "help hard working Americans and their families achieve their dreams. By providing and opportunity to affordable home ownership, adopting green practices, and giving back to our community".

*COMPANY VALUES INCLUDE:*

-Preserve our integrity above all else.
-Treat people right; Do the right thing.
-Try a lot of stuff; Keep what works.
-Listen to our customers and each other to get better.
-Take care of the environment and the communities we live in.

# CLIANT PROFILE

## - spaces

The client wants to separate his spaces in two zones, public zone and other one is privet.

The public one for living room, kitchen and office with shelves, the other one for bed room's, rest area and privet desk.

The dining area collect two zones .
note : public area likely to be open plan .

## - Colors

the main color is vinous and have to be integrated with other quiet colors like :white , beige and gray

## - lighting

natural lighting should entered with wide windows in every privet zone and arrives to the deepest spaces .

<u>If the sun light make a shadow with pattern it will be very nice</u>

artificial light likely to be from tiny spaces and it's colors white and yellow.

## - materials

Wood, carpet, glass, stone, fiber and any Fine marital

## -style

Modern and simple, harmony in design.
**Not** have a lot of furniture pieces

## - special requirements

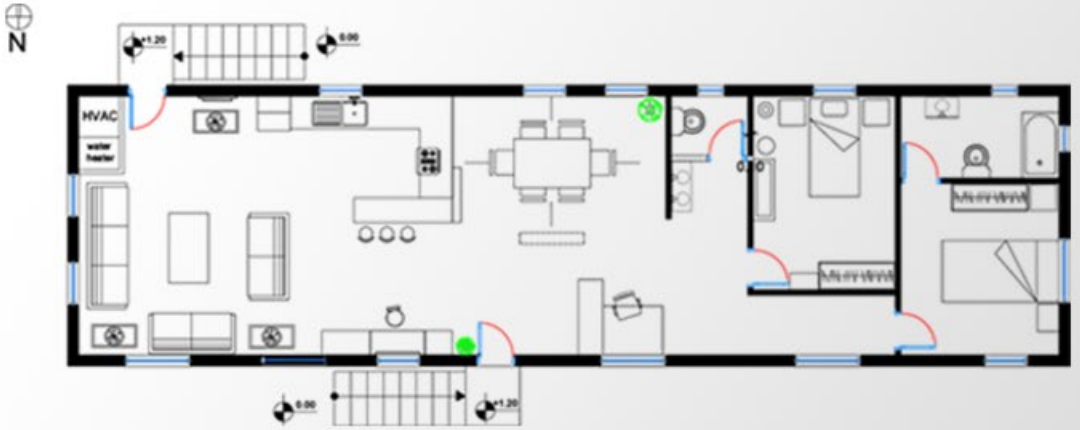
gallery space
workshop

Library
green area (court if it possible)

Mirrors

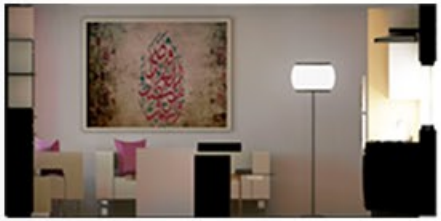
The walls have a drawings and fonts .

# COLOR SCHEME



CHECK 360⁰
EXPERIENCE

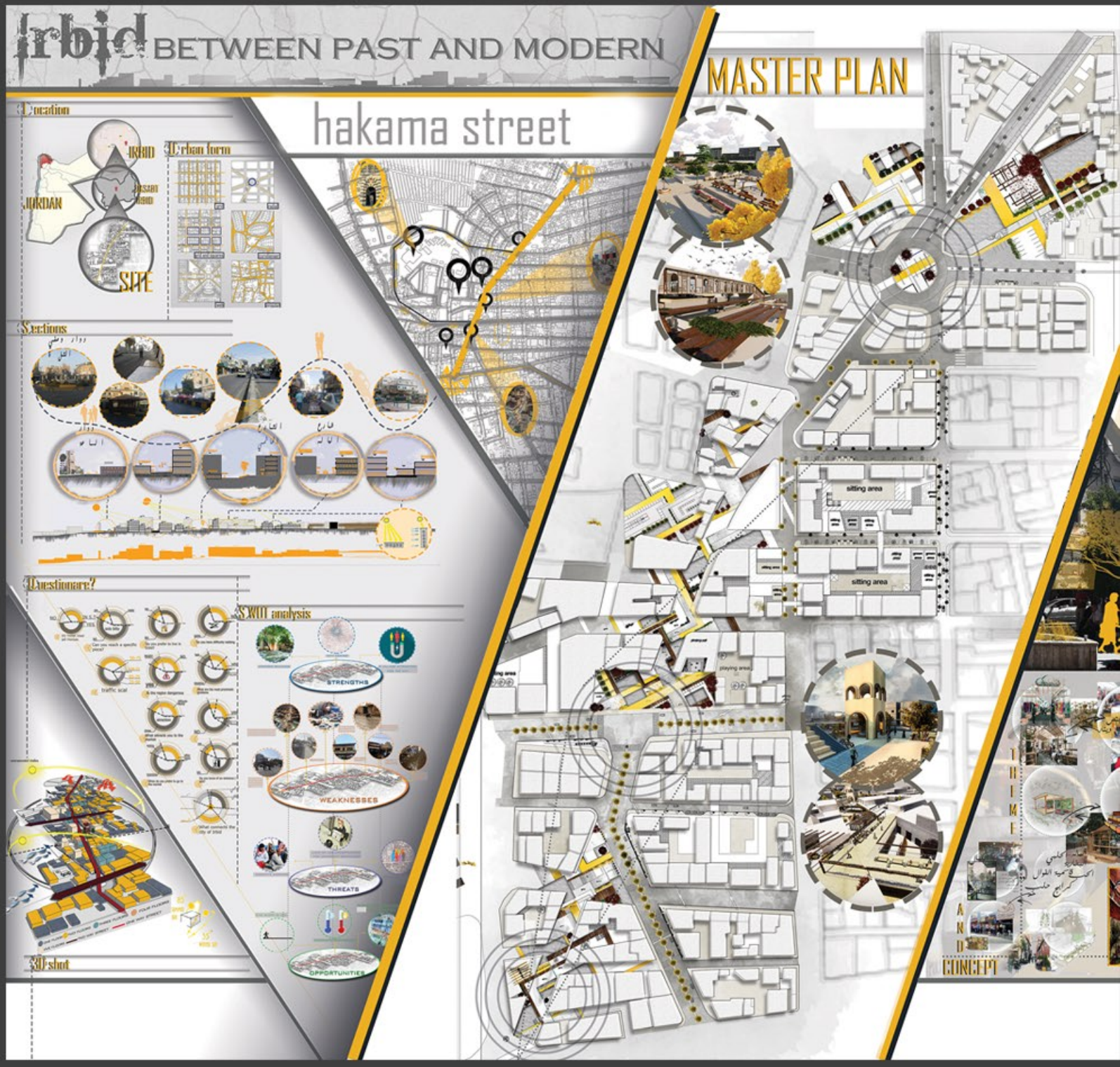
## ELEVATIONS



# OTHERS

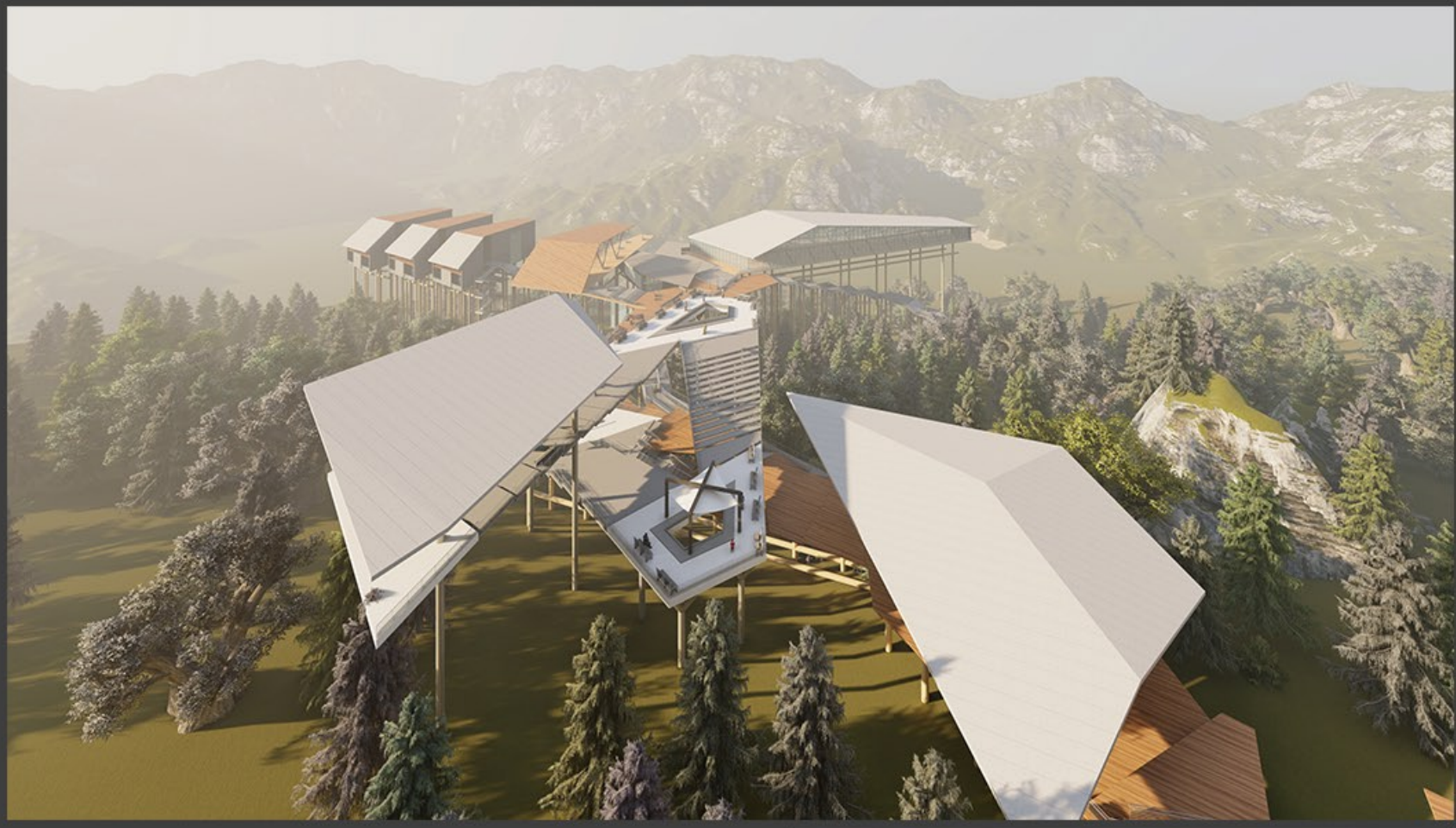
# URBAN PROJECT

this project is about the midtown -Irbid, and how to make a new solution for many problems and take into consideration the cultural and historical sites

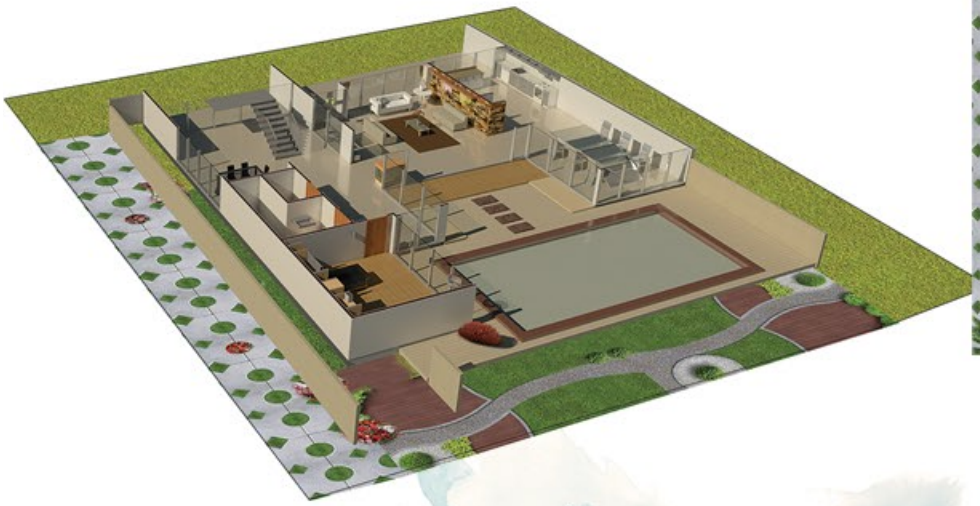


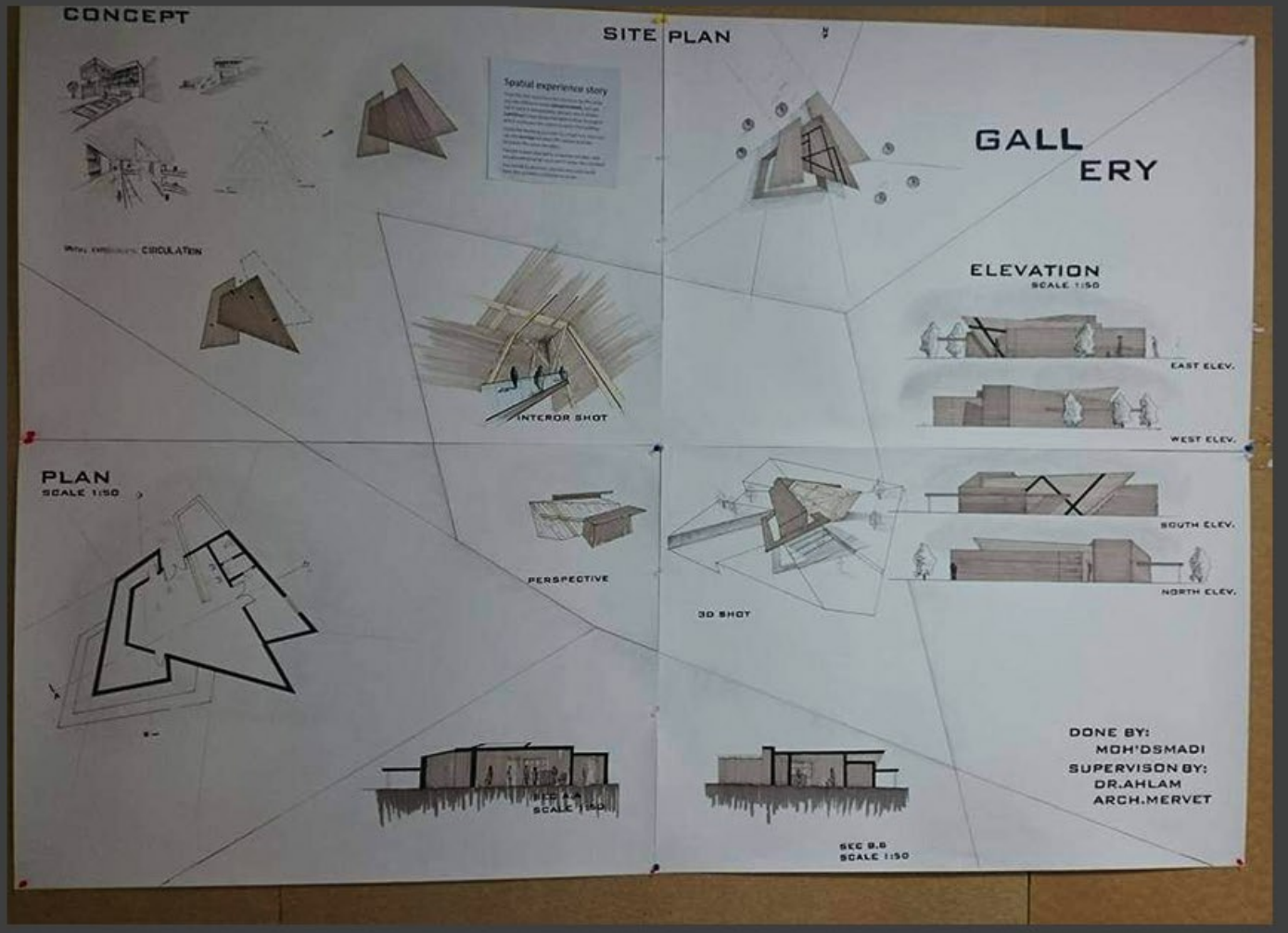
ACTIVITY SPACE
PLAZA
plaza
CULTURAL CENTER
DIAGRAM ANALYSIS
STREET SECTIONS
SEC AA
SECTIONS WITH DETAILS
SEC BB
SEC CC
Land use
Circulation
Landmark
Commercial zone
ELEVATION
modern structuer
high contrast
tradition space
shape
entrance
function
AFTER
BEFOR

# MODILING AND RENDER



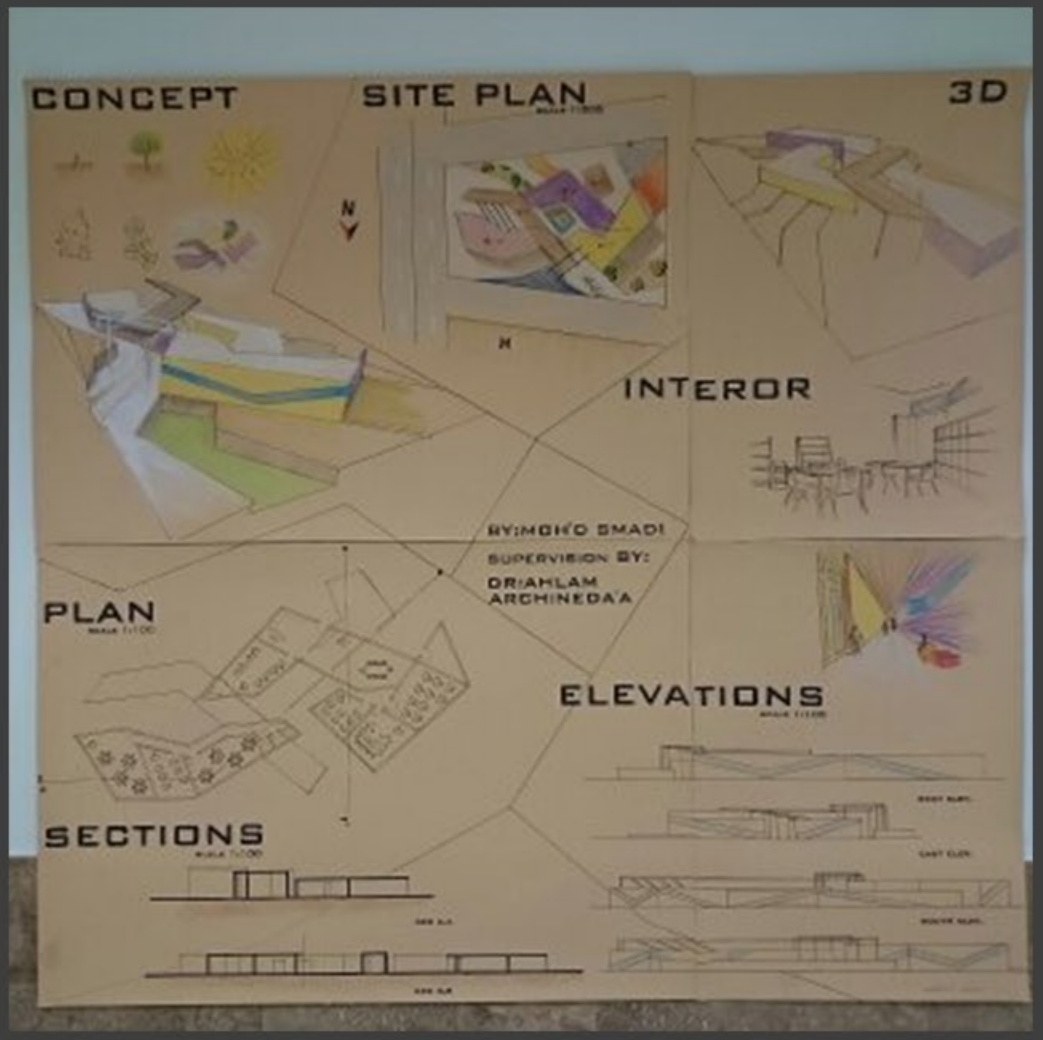
# MODILING AND RENDER





# GALLERY

# BASIC DESIGN




DESIGN 1

HISTORY OF ARCHITECTURE

“Opportunities don't happen,
You create them."

-Chris Grosser

# FOR CHECKING MY PORTFOLIO UP